

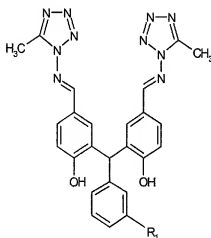
AMENDMENTS TO THE CLAIMS:

Kindly cancel claims 1, 4 and 6-35, without prejudice, and add new claims 36-67, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

Claims 1-35 (cancelled)

Claim 36 (new): A compound having the formula:



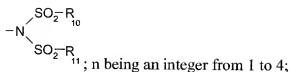
Ia

wherein:

R₁ represents a radical selected from the group consisting of



, -NR₅R₆, -SO₂NR₇R₈, hydroxyalkyl, hydroxyalkoxy, polyhydroxyalkyl, alkoxyalkoxy, polyfluoroalkyl, dialkylaminoalkyl, R₉, -OR₉,



R₂ and R₃ are each independently selected from the group consisting of straight or branched chain alkyl and hydrogen;

R₄ is a radical selected from the group consisting of a substituted or unsubstituted phenyl radical, an unsubstituted or substituted heterocyclic radical, and -NR₁₂R₁₃;

R₅ and R₇ are independently selected from the group consisting of alkoxyalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₄ and -(C=O)R₉;

R₆, R₈, R₁₂, and R₁₃ are independently selected from the group consisting of hydrogen, alkyl, alkoxyalkyl, polyfluoroalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₅ and -(C=O)R₉;

or R₅ and R₆ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

or R₇ and R₈ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

said phenyl and heterocyclic radical substituents being at least one selected from the group consisting of alkyl, amino, hydroxy, carbonyl, monoalkylamino, dialkylamino, halogen, and alkoxy;

R₉ is a radical of the formula -W-O(C=O)-CH₃, W being a straight- or branched- chain alkylene group of 1 to 6 carbon atoms;

R₁₀ and R₁₁ are radicals independently selected from the group consisting of alkyl, halo, haloalkyl, and polyfluoroalkyl;

R₁₄ is a hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

R₁₅ is an alkyl, hydroxyalkyl, alkoxyalkyl or cycloalkyl group, and pharmaceutically acceptable salts of said compound.

Claim 37 (new): A compound according to claim 36, selected from the group consisting of:

2,2'-[[3-(2,2,2-Trifluoroethyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(4-Morpholinyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(1-Piperidiny)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(4-Morpholinylsulfonyl)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(Methoxyethoxy)phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[[3-Bis(phenylmethyl)amino]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-[1-(4-Methylpiperazinyl)methyl]phenyl]methylene]bis[4-[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol;

2,2'-[[3-(Diethylaminomethyl)phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-(Dimethylaminomethyl)phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[4-(Morpholinyl)methyl]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(4-Hydroxybutyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[2-(1,1-Dioxide-2,3,4,5-tetrahydro)isothiazolyl]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(3-Hydroxypropyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(2-Hydroxyethyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[1-(4-Hydroxypiperidinyl)]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(3-Hydroxypropyl)-N-methylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(4-Acetoxybutyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(2-Hydroxyethyl)-N-methylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino)methyl]]phenol];

2,2'-[[3-[N-(4-Hydroxybutyl)-N-methylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol];

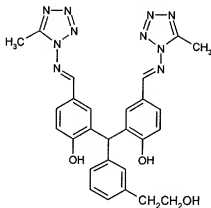
2,2'-[[3-[N-(2-Hydroxyethyl)-N-propylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol];

2,2'-[[3-[N-(4-Hydroxybutyl)-N-propylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol];

2,2'-[[3-[N-(6-Hydroxyhexyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol]; and

2,2'-[[3-[N-(5-Hydroxypentyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol].

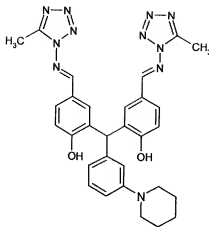
Claim 38 (new): The compound according to claim 36 having the formula:



Claim 39 (new): The compound according to claim 36 having the formula:

HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567



Claim 40 (new): The compound according to claim 36 having the name 2,2'-[[3-[N-(4-Hydroxybutyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol.

Claim 41 (new): The compound according to claim 36 having the name 2,2'-[[3-[N-(2-Hydroxyethyl)-N-methylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol].

Claim 42 (new): The compound according to claim 36 having the name 2,2'-[[3-[2-(Hydroxyethyl)-N-ethylamino]phenyl]methylene]bis[4-[[[(5-methyl-1H-tetrazol-1-yl)imino]methyl]]phenol.

Claim 43 (new): A pharmaceutical composition for treating or preventing pneumovirus infection, said composition comprising a compound according to claim 36 in an amount effective to attenuate infectivity of said virus, and a pharmaceutically acceptable carrier medium.

HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

Claim 44 (new): A pharmaceutical composition according to claim 43, further comprising at least one supplemental active agent selected from the group consisting of interferon, ribavirin and an immunomodulator, an immunoglobulin, an anti-inflammatory agent, an antibiotic, an anti-viral and an anti-infective.

Claim 45 (new): A pharmaceutical composition according to claim 43, wherein said pharmaceutically acceptable carrier medium comprises ethanol.

Claim 46 (new): A pharmaceutical composition according to claim 43, wherein said pharmaceutically acceptable carrier medium comprises propylene glycol.

Claim 47 (new): A pharmaceutical composition according to claim 43, wherein said pharmaceutically acceptable carrier medium comprises water.

Claim 48 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 50% ethanol.

Claim 49 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 60% ethanol.

Claim 50 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 70% ethanol.

Claim 51 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 80% ethanol.

Claim 52 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically composition comprises at least 90% ethanol.

Claim 53 (new): A pharmaceutical composition according to claim 52, wherein said pharmaceutically composition comprises less than 5% water.

Claim 54 (new): A pharmaceutical composition according to claim 45, wherein said pharmaceutically acceptable carrier medium comprises ethanol, water, and propylene glycol.

Claim 55 (new): A pharmaceutical composition according to claim 54, wherein said pharmaceutically composition comprises about 85% ethanol, about 10% propylene glycol, and about 5% water.

Claim 56 (new): A method of treatment of pneumovirus infection in a patient in need of said treatment, said method comprising administering to said patient a therapeutically effective amount of a compound according to claim 36.

Claim 57 (new): A method as claimed in claim 56, wherein said compound is administered through inhalation or intritation.

Claim 58 (new): A method as claimed in claim 56, wherein said compound is administered by an electrohydrodynamic delivery device.

Claim 59 (new): A method as claimed in claim 56, wherein said electrohydrodynamic delivery device is hand-held.

Claim 60 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device is disposable.

Claim 61 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device is for a single user.

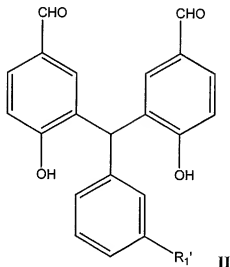
Claim 62 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device comprises a removable mouthpiece.

Claim 63 (new): A method as claimed in claim 58, wherein said electrohydrodynamic delivery device comprises a mask.

Claim 64 (new): A method of treating cells in culture that are susceptible to infection by, or infected or contaminated with a pneumovirus, said method comprising administering to said cultures an effective amount of a compound according to claim 36.

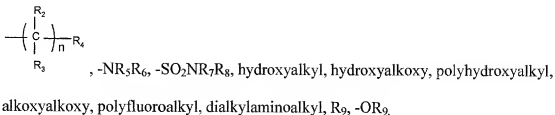
Claim 65 (new): A method of treating biological materials that are susceptible to infection by, or infected or contaminated with a pneumovirus, said method comprising administering to said materials an effective amount of a compound according to claim 36.

Claim 66 (new): A compound having the formula:



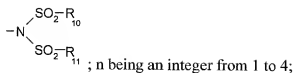
wherein:

R_1' represents a radical selected from the group consisting of



HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8967



R₂ and R₃ are each independently selected from the group consisting of straight or branched chain alkyl and hydrogen;

R₄ is a radical selected from the group consisting of a substituted or unsubstituted phenyl radical, an unsubstituted or substituted heterocyclic radical, and -NR₁₂R₁₃;

R₅ and R₇ are independently selected from the group consisting of alkoxyalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₄ and -(C=O)R₉;

R₆, R₈, R₁₂, and R₁₃ are independently selected from the group consisting of hydrogen, alkyl, alkoxyalkyl, polyfluoroalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₅ and -(C=O)R₉;

or R₅ and R₆ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

or R₇ and R₈ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

said phenyl and heterocyclic radical substituents being at least one selected from the group consisting of alkyl, amino, hydroxy, carbonyl, monoalkylamino, dialkylamino, halogen, and alkoxy;

HAYES SOLOWAY P.C.
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

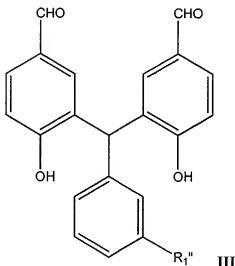
R₉ is a radical of the formula -W-O(C=O)-CH₃, W being a straight- or branched- chain alkylene group of 1 to 6 carbon atoms;

R₁₀ and R₁₁ are radicals independently selected from the group consisting of alkyl, halo, haloalkyl, and polyfluoroalkyl;


R₁₄ is a hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

R₁₅ is an alkyl, hydroxyalkyl, alkoxyalkyl or cycloalkyl group, and pharmaceutically acceptable salts of said compound.

Claim 67 (new): A compound having the formula:



wherein R_b is selected from the group consisting of -CH₂OCH₃, -CH₂OCH₂CH₃, -

CH(CH₃)OCH₂CH₃, -CH₂-OCH₂CH₂-OCH₃, , -CH₂-OCH₂CH₂-Si(CH₃)₃, -CH₃, -CH₂C₆H₅, -(CH₂)₂Si(CH₃)₃, -CON(R_cR_d)₂, -CSN(R_cR_d)₂, and -PO(NR_cR_d)₂;

R_c and R_d are independently selected from an alkyl group;

R₁" represents a radical selected from the group consisting of



, -NR₅R₆, -SO₂NR₇R₈, hydroxyalkyl, hydroxyalkoxy, polyhydroxyalkyl, alkoxyalkoxy, polyfluoroalkyl, dialkylaminoalkyl, R₉, -OR₉,



; n being an integer from 1 to 4;

R₂ and R₃ are each independently selected from the group consisting of straight or branched chain alkyl and hydrogen;

R₄ is a radical selected from the group consisting of a substituted or unsubstituted phenyl radical, an unsubstituted or substituted heterocyclic radical, and -NR₁₂R₁₃;

R₅ and R₇ are independently selected from the group consisting of alkoxyalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₄ and -(C=O)R₉;

R₆, R₈, R₁₂, and R₁₃ are independently selected from the group consisting of hydrogen, alkyl, alkoxyalkyl, polyfluoroalkyl, hydroxyalkyl, polyhydroxyalkyl, aralkyl, R₉, -(C=O)R₁₅ and -(C=O)R₉;

or R₅ and R₆ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

or R₇ and R₈ taken together with the nitrogen to which they are attached form a substituted or unsubstituted heterocyclic radical, said heterocyclic radical optionally containing

one to two additional heteroatoms independently selected from the group consisting nitrogen, oxygen, and sulfur;

said phenyl and heterocyclic radical substituents being at least one selected from the group consisting of alkyl, amino, hydroxy, carbonyl, monoalkylamino, dialkylamino, halogen, and alkoxy;

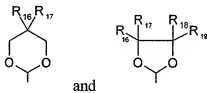
R₉ is a radical of the formula -W-O(C=O)-CH₃, W being a straight- or branched- chain alkylene group of 1 to 6 carbon atoms;

R₁₀ and R₁₁ are radicals independently selected from the group consisting of alkyl, halo, haloalkyl, and polyfluoroalkyl;

R₁₄ is a hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

R₁₅ is an alkyl, hydroxyalkyl, alkoxyalkyl or cycloalkyl group;

P is a protected formaldehyde group selected from the group consisting of



wherein R₁₆, R₁₇, R₁₈ and R₁₉ are independently selected from the group consisting of hydrogen and alkyl; and pharmaceutically acceptable salts of said compound.